

02/18/00  
JC658 U.S. PTO

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PTO/SB/05 (12/97)  
Approved for use through 09/30/00. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	99-038	Total Pages	87
First Named Inventor or Application Identifier			ic511999
DENNIS P. CURRAN ET AL.			02/18/00
Express Mail Label No.	EL033815811US		

### APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2.  Specification [Total Pages 71]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3.  Drawing(s) (35 USC 113) [Total Sheets 6]
4. Oath or Declaration [Total Pages 6]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
    - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5.  Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

6.  Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Copy
  - b.  Paper Copy (identical to computer copy)
  - c.  Statement verifying identity of above copies

### ACCOMPANYING APPLICATION PARTS

8.  \* Assignment Papers (cover sheet & document(s))
9.  37 CFR 3.73(b) Statement (when there is an assignee)  Power of Attorney
10.  English Translation Document (if applicable)
11.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
12.  Preliminary Amendment
13.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14.  Small Entity  Statement filed in prior application, Statement(s)  Status still proper and desired
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Other: \* Assignment to the University of Pittsburgh will follow; Cert. of Express Mailing

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

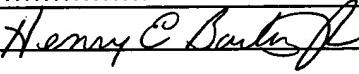
Continuation     Divisional     Continuation-in-part (CIP)    of prior application No: \_\_\_\_\_ / \_\_\_\_\_

### 18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label

or  Correspondence address below

(Insert Customer No. or Attach bar code label here)

NAME	Henry E. Bartony, Jr.				
	Date: February 18, 2000				
ADDRESS	Bartony & Hare, Suite 1801				
	429 Fourth Avenue				
CITY	Pittsburgh	STATE	Pennsylvania	ZIP CODE	15219
COUNTRY	USA	TELEPHONE	(412) 338-8632	FAX	(412) 338-6611

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Applicant or Patentee: DENNIS P. CURRAN ET AL

Application or Patent No.: / to be assigned

Filed or Issued: February 18, 2000

For: REACTION AND SEPARATION METHODS

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f)  
and 1.27(d)) -NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the  
nonprofit organization identified below:

Name of Organization University of Pittsburgh

Address of Organization Cathedral of Learning

Pittsburgh, PA 15260 U.S.A.

TYPE OF ORGANIZATION

- University or Other Institution of Higher Education
- Tax Exempt Under Internal Revenue Service Code (26 USC 501(a) and 501(c)(3))
- Nonprofit Scientific or Educational Under Statute of State of the United States of America  
(Name of State \_\_\_\_\_)  
(Citation of Statute \_\_\_\_\_)
- Would Qualify as Tax Exempt Under Internal Revenue Service Code (26 USC 501(a) and 501(c)(3)), if Located in the United States of America  
(Name of State \_\_\_\_\_)  
(Citation of Statute \_\_\_\_\_)
- Would Qualify as Nonprofit Scientific or Educational Under Statute of State of the United States of America if Located in the United States of America  
(Name of State \_\_\_\_\_)  
(Citation of Statute \_\_\_\_\_)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization, as defined in 37 CFR 1.9(e), for purposes of paying reduced fees under Sections 41(a) and (b) of Title 35, United States Code, with regard to the invention entitled

REACTION AND SEPARATION METHODS

by inventor(s) DENNIS P. CURRAN ET AL

described in

- the specification filed herewith.

[ ] application no. / \_\_\_\_\_, filed \_\_\_\_\_

[ ] patent no. \_\_\_\_\_, issued \_\_\_\_\_.

I hereby declare that rights under contract or law have been conveyed to, and remain with, the nonprofit organization, with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d), or by any concern that would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e)

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27).

Name \_\_\_\_\_

Address \_\_\_\_\_

INDIVIDUAL       SMALL BUSINESS CONCERN       NONPROFIT ORGANIZATION

Name \_\_\_\_\_

Address \_\_\_\_\_

INDIVIDUAL       SMALL BUSINESS CONCERN       NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing \_\_\_\_\_ Frances J. Connell \_\_\_\_\_

Title in Organization \_\_\_\_\_ Director, Office of Technology Transfer and Intellectual Property \_\_\_\_\_

Address of Person Signing \_\_\_\_\_ 200 Gardner Steel Conference Center \_\_\_\_\_  
University of Pittsburgh, Pittsburgh, PA 15260 U.S.A. \_\_\_\_\_

SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

jc511 U.S. PTO  
09/50679  
02/18/00



## CERTIFICATION OF EXPRESS MAILING

I hereby certify that the attached Utility Patent Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date February 28, 2000, in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EL033815811US, addressed to the: Assistant Commissioner for Patents, Box PATENT APPLICATION, Washington, D.C. 20231.

Henry E. Bartony, Jr.

TYPE OR PRINT NAME OF PERSON MAILING PAPER

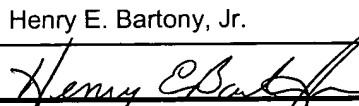
  
SIGNATURE OF PERSON MAILING PAPER

U.S. Patent Application Serial No.: TO BE ASSIGNED  
Entitled: **REACTION AND SEPARATION METHODS**  
Attorney Docket No.: 99-038

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>FEE TRANSMITTAL</b>		<i>Complete if Known</i>			
		<b>Application Number</b>	TO BE ASSIGNED		
		<b>Filing Date</b>	FEBRUARY 18, 2000		
		<b>First Named Inventor</b>	DENNIS P. CURRAN ET AL.		
		<b>Group Art Unit</b>	TO BE ASSIGNED		
		<b>Examiner Name</b>	TO BE ASSIGNED		
		<b>Attorney Docket Number</b>	99-038		
<b>TOTAL AMOUNT OF PAYMENT</b>		(\$ 648.00)			

<b>METHOD OF PAYMENT</b> (check one)		<b>FEE CALCULATION</b> (continued)						
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:		3. <b>ADDITIONAL FEES</b>						
Deposit Account Number	02-1065			Fee Code (\$)	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
Deposit Account Name	BARTONY & HARE			105	130	205	65	Surcharge - late filing fee or oath
				127	50	227	25	Surcharge - late provisional filing fee or cover sheet
				139	130	139	130	Non-English specification
				147	2,520	147	2,520	For filing a request for reexamination
				112	920*	112	920*	Requesting publication of SIR prior to Examiner action
				113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action
				115	110	215	55	Extension for reply within first month
				116	400	216	200	Extension for reply within second month
				117	950	217	475	Extension for reply within third month
				118	1,510	218	755	Extension for reply within fourth month
				128	2,060	228	1,030	Extension for reply within fifth month
				119	310	219	155	Notice of Appeal
				120	310	220	155	Filing a brief in support of an appeal
				121	270	221	135	Request for oral hearing
				138	1,510	138	1,510	Petition to institute a public use proceeding
				140	110	240	55	Petition to revive - unavoidable
				141	1,320	241	660	Petition to revive - unintentional
				142	1,320	242	660	Utility issue fee (or reissue)
				143	450	243	225	Design issue fee
				144	670	244	335	Plant issue fee
				122	130	122	130	Petitions to the Commissioner
				123	50	123	50	Petitions related to provisional applications
				126	240	126	240	Submission of Information Disclosure Stmt
				581	40	581	40	Recording each patent assignment per property (times number of properties)
				146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))
				149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))
				Other fee (specify) _____				
				Other fee (specify) _____				
<b>SUBTOTAL (1)</b>			(\$ 345.00)		<b>SUBTOTAL (3)</b>			(\$ 0.00)
* Reduced by Basic Filing Fee Paid								

<b>SUBMITTED BY</b>				<i>Complete (if applicable)</i>	
Typed or Printed Name	Henry E. Bartony, Jr.			Reg. Number	34,772
Signature				Date	Feb 18, 2000
				Deposit Account User ID	

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